

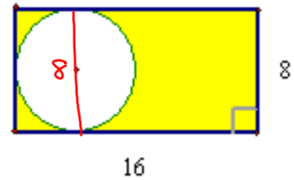
11-3 Continued Shaded Regions

Example 1:
Find the area of the shaded region.

$$A_R - A_C$$

$$8 \cdot 16 - \pi 4^2$$

$$A = 17.7 u^2$$



Example 2:
Find the area of the shaded region.

$$C^2 = 6^2 + 8^2$$

$$C^2 = 36 + 64$$

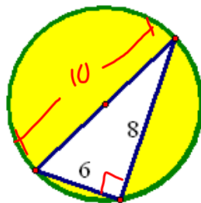
$$C^2 = 100$$

$$C = 10$$

$$A_C - A_\Delta$$

$$25\pi - \frac{1}{2} 6 \cdot 8$$

$$= 54.5 u^2$$

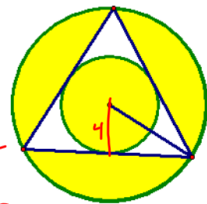


Example 3:
Find the area of the shaded region.

$$A_{L.C.} - A_\Delta + A_{S.C.} \quad \#22 \quad r = 8$$

$$64\pi - \left(\frac{1}{2} 4 \cdot 24\sqrt{3}\right) + 16\pi$$

$$= 168.2 u^2$$



HW

p613-615

15, 18, 20, 21, 39, 42, 44